IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit	: 1771	**Customer No.: 035811**
Examiner	: Norca Liz Torres Velazquez	
Serial No.	: 10/522,519	
Filed	: February 28, 2005	
Inventors	: Kyoko Yokoi	Docket No.: TIP-05-1007
	: Koji Watanabe	
	: Takafumi Hashimoto	Confirmation No.: 1423
Title	: PRODUCTION METHOD OF SIALON-BASED	
	: PHOSPHOR, AND SIALON-BASED PHOSPHOR	
		Dated: March 14, 2007

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Applicants resubmit herewith Form PTO-1449 together with a copy of English abstracts of the four (4) Japanese publications already cited in our Information Disclosure Statement dated January 27, 2005.

The Applicants respectfully request that this Information Disclosure Statement be officially entered into the file and that appropriate notification be made that it was considered by the Examiner.

Respectfully submitted,

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
TIP-05-1007	10/522,519
APPLICANTS	
Kyoko Yokoi et al.	
FILING DATE	GROUP
February 28, 2005	1771

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	AL	JP 49-22681	06/11/74	Japan			X	
	AM	JP 54-89002 A	07/14/79	Japan			X	
	AN	JP 5-321159	12/07/93	Japan			X	
	AO	JP 2000-256972 A	09/19/00	Japan			X	
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

t S1/67/1

1/67/1 **Links**

Derwent WPI

0000645595

WPI Acc no: 1974-49495V/

Dyeing leather-like material having surface-fluffs - by immersing non-woven fabric sheet in binder contg. black pigment, coagulating, fluffing and dyeing

Patent Assignee: TORAY IND INC (TORA)

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 1974022681	B	19740611	JP 197068333	A	19700806	197427	B

Alerting Abstract JP B

Fibres for the non-woven fabric sheet (0.8-0.03 den/filament) are produced from nylon 6, nylon 66, nylon 610, a condensate of p.p'-diamono. cyclohexyl methane and decane-dicarboxylic acid, hexamethylene-terepthalate, poly-butylene-terephthalate, polyoxy ethylene benzoate, polyacrylonitrile, polypropylene, polyethylene or other org. synthetic resins, cotton fibres, wool fibres, hemp fibres and rayon fibres. The binder is selected from a reaction cpd. of diisocyanate hving an aromatic ring and diamine or a glycol contg. polyalkylene ether glycol and cpds. have a softening point of >=220 degrees C. The pigment cyanine dye, polyazo dye, cadmium oxide or sulphide, chrome oxide or sulphide etc. Material is used for producing clothes such as jumpers, skirts or band bags.

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
D06M-003/14			Secondary		"Version 7"

DWPI Class: A35; F08

1/67/1 **Links**
Derwent WPI

0003785367
WPI Acc no: 1986-237017/
Mfg. leather-like sheet - by dyeing and napping raw sheet of fine fibre aggregate and high-polymer elastic pieces (J5 14.7.79)
Patent Assignee: ASAHI CHEM IND CO LTD (ASAH)

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 1986035311	B	19860812	JP 1977156688	A	19771227	198636	B
JP 54089002	A	19790714	JP 1977156688	A	19771227	198636	E

Priority Applications (no., kind, date): JP 1977156688 A 19771227

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 1986035311	B	JA	5	0		

Alerting Abstract JP B
Raw sheet composed of very fine fibre aggregate and high polymer elastic pieces charged in gaps of aggregate is dyed and napped at surface.
Sheet has soft and beautiful hair giving soft feeling. (J54089002-A)

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
D06N-003/00; D06P-007/00			Secondary		"Version 7"

DWPI Class: A82; F08

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-321159
(43)Date of publication of application : 07.12.1993

(51)Int.Cl. D06N 3/14
D06N 3/14
// C08L 75/04

(21)Application number : 04-165224
(22)Date of filing : 14.05.1992

(71)Applicant : SEIREN CO LTD
(72)Inventor : SHIODA HIDEKAZU
MAEKAWA SACHIYO

(54) PRODUCTION OF COLORED SUEDE-TONE SYNTHETIC LEATHER

(57)Abstract:
PURPOSE: To provide a synthetic leather having suede-tone and resistant to discoloration and fading under light irradiation at a high temperature over a long period.
CONSTITUTION: A colored polyurethane is impregnated in a fluffed fiber substrate composed of ultrafine synthetic fiber yarns and the product is subjected to wet coagulation treatment and fluff-exposure treatment to obtain a colored suede-tone synthetic leather. In the above process, the near infrared reflectance of the synthetic leather is adjusted to ≥60% by using a black pigment having a near infrared reflectance of ≥60% in a wavelength range of 900-1,500nm as a part of the coloring component of the colored polyurethane.

LEGAL STATUS

[Date of request for examination] 10.05.1999
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number] 3180230
[Date of registration] 20.04.2001
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-256972
(43)Date of publication of application : 19.09.2000

(51)Int.Cl. D06N 3/00
D04H 1/42
D06M 15/564
// D01F 8/12

(21)Application number : 11-060017
(22)Date of filing : 08.03.1999

(71)Applicant : KURARAY CO LTD
(72)Inventor : MAKIMURA MASARU

(54) SUEDE-LIKE ARTIFICIAL LEATHER

(57)Abstract:
PROBLEM TO BE SOLVED: To obtain a suede-like artificial leather excellent in writing effects by covering the surface of a nonwoven fabric base having three-dimensionally entangled constituent fibers and including a high molecular elastomer in the interior, with raised mixed fibers of ultrafine fibers and flat fibers.
SOLUTION: This suede-like artificial leather having mixed raised fibers of ultrafine fibers and ultrafine flat fibers is obtained by mixing ultrafine fiber-generating fibers, capable of forming ≤0.3 de ultrafine fibers A and, for example, composed of a combination of an island component of nylon 6, and a sea component of highly fluid low- density polyethylene or the like, with flat fibers having ≤3 de sizes and 5-20% flatness ratio represented by the formula [flatness (%)]=C/D × 100 (c and D are each a distance in the thickness direction and the width direction of a fiber cross section respectively, with the proviso that D>C), preferably ultrafine flat fibers B obtained by dividing dividable conjugated fibers, and having ≤0.5 de size, so that the weight ratio A/B may be (50/50)-(95/5) to provide a web, subjecting the obtained web to needle-punch finishing to provide a nonwoven fabric, impregnating a high molecular elastomer solution thereinto, subjecting the resultant nonwoven fabric to coagulation treatment, subjecting the obtained nonwoven fabric to sea component-removing treatment, and buffing the sea component-removed nonwoven fabric.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

Searching PAJ

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]